A 15.4"[2] entertainment PC in the body of an incredibly thin-and-light notebook

Final product image may vary depending on configuration

EXPERIENCE BLU-RAY DISC™ MEDIA PLAYBACK (CONFIGURABLE FEATURE)

Blu-ray Disc™ media support lets you playback[12] HD Blu-ray Disc movies in stunning clarity.Blu-ray Disc™ optical drive lets you record 25-50GB[9] of video[13] or data to a single Blu-ray Disc™ media.

PERFORMANCE AND MOBILITY

Lightning-fast Intel® Centrino® Duo processor technology and super-powerful Intel® Core™ 2 Duo processors available.Windows Vista® Home Premium, Business or Ultimate are easy-to-use and offer an array of advanced technologies.Thin-and-light notebook with incredible 15.4" widescreen display[2] and XBRITE-HiColor™ or XBRITE-ECO™ LCD technology.Magnesium alloy makes for a remarkably lightweight and durable chassis.802.11a/b/g/n wireless LAN technology[3] offers a massive boost in wireless connection speed and range.

ENTERTAINMENT AND COMMUNICATION MADE EASY

Stunning XBRITE-HiColor™ LCD technology for dazzling colors and incredible picture clarity, or choose XBRITE-ECO™ for optimal battery conservation.Intuitive music and video controls are user-friendly, so you can easily control your CDs, DVDs, pictures and home movies with the push of a button.HDMI™ (configurable) output allows you to view your audio, video or data content on your HDTV through a single cable.Integrated camera and microphone for video messaging with family, friends and coworkers[5] .Sony's original Sound Reality™ technology delivers high-resolution surround-sound to your entertainment.

The VAIO® FZ is a thin-and-light entertainment notebook featuring a 15.4" widescreen LCD[2] with XBRITE-ECO™ or XBRITE-HiColor™ technology and embedded A/V controls for one touch access to your music, movies and pictures. With a built-in camera and microphone for video messaging[5] and CD/DVD burner[4] and optional Blu-ray Disc™ burner[18], this lightning-fast, super-powerful PC is slim, lightweight, and packed with features.

intel Centrino Duo Core 2 Duo inside

Windows Vista Ultimate

Blu-ray Disc

Click to DVD

XBRITE-ECO™

VGN-FZ290 Configure-to-Order Series

VAIO® FZ Series Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Portable
Action Buttons: S1, (programmable), Volume, AV Mode[15], Play/Pause, and Stop
Pointing Device: Electro-Static touch pad

Hardware

Keyboard: QWERTY, 82 keys with 2mm stroke and 19.05mm pitch
Silver or Black Keyboard
Black, Silver or Polished Mosaic palm rest
Camera: Built-in camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor T7800 (Configuration 1), Intel® Core™ 2 Duo Processor T7700 (Configuration 2), Intel® Core™ 2 Duo Processor T7500 (Configuration 3), Intel® Core™ 2 Duo Processor T7250 (Configuration 4), Intel® Core™ 2 Duo Processor T5250 (Configuration 5) or Intel® Pentium® Dual Core Processor T2330 (Configuration 6)
Speed: 2.60GHz[2] (Configuration 1), 2.40GHz[2] (Configuration 2), 2.20GHz[2] (Configuration 3), 2GHz[2] (Configuration 4), 1.50GHz[2] (Configuration 5) or 1.60GHz[2] (Configuration 6)
Front Side Bus Speed: 800MHz (Configurations 1-4)
667MHz (Configuration 5)
533MHz (Configuration 6)
L2 Cache: 4MB Advanced Smart Cache (Configurations 1-3)
2MB (Configuration 4-5)
1MB (Configuration 6)
Technology: Intel® Centrino® Duo Processor Technology (depending on configuration)

Memory

Type: DDR2
Installed: 4GB PC2-5300 (2GBx2), 2GB PC2-5300 (1GBx2), 1GB PC2-5300 (1GBx1), or 1GB PC2-5300 (512MBx2)
Maximum: 4GB[17]
Speed: 667MHz

Hard Drive

Capacity: 300GB[3] (Configuration 1), 250GB[3] (Configuration 2), 200GB[3] (Configuration 3), 200GB[3] (Configuration 4), 160GB[3] Hybrid Hard Drive with 256MB flash memory (Configuration 5), 160GB[3] (Configuration 6) or 120GB[3] (Configuration 7)
Speed: 4200rpm (Configuration 1-2), 7200rpm (Configuration 3) or 5400rpm (Configuration 4-7)
Interface: Serial ATA

Optical Drive #1

DVD+R DL Write: 4x max. (DVD±RW/±R DL)
2.4x max. (BD-ROM Read)
2.4x max. (Blu-ray Disc™ Write)
DVD+RWrite: 8x max.
DVD+RW Write: 8x max. (DVD±RW/±R DL)
4x max. (BD-ROM Read)
4x max. (Blu-ray Disc™ Write)
DVD-RWrite: 8x max.
DVD-RW Write: 6x max. (DVD±RW/±R DL)
4x max. (BD-ROM Read)
4x max. (Blu-ray Disc™ Write)
CD-RWrite: 24x max. (DVD±RW/±R DL)
8x max. (BD-ROM Read)
8x max. (Blu-ray Disc™ Write)
CD-RW Write: 16x max. (DVD±RW/±R DL)
8x max. (BD-ROM Read)
8x max. (Blu-ray Disc™ Write)
DVD±RW: Yes[4] (DVD±R DL/DVD±RW/DVD-RAM)
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 4x max. (DVD±RW/±R DL)
2x max. (BD-ROM Read)
2x max. (Blu-ray Disc™ Write)
BD-R Read: 2x max. (BD-ROM Read)
2x max. (Blu-ray Disc™ write)
BD-RWrite: 2x max. (Blu-ray Disc™ write)
BD-RE Write: 2x max. (Blu-ray Disc™ write)
BD-ROM Read: 2x max. (BD-ROM Read)
2x max. (Blu-ray Disc™ write)
BD-RE Read: 2x max. (BD-ROM Read)
2x max. (Blu-ray Disc™ write)
BD-R DL Read: 2x max. (BD-ROM Read)
2x max. (Blu-ray Disc™ write)
BD-R DL Write: 1x max. (Blu-ray Disc™ write)
DVD-RAM Read: 5x max.
Blu-ray Disc™ Support: Optional[14,18] (Can only be configured with select PC hardware options)
BD-RE DL Read: 2x max. (BD-ROM Read)
2x max. (Blu-ray Disc™ write)
BD-RE DL Write: 1x max. (Blu-ray Disc™ write)

Expansion Slots

Multimedia Card Reader: One Memory Stick Duo™ media with MagicGate® functionality
One ExpressCard™ /34 Slot
One Secure Digital Media (SD)

Audio

Sound System: Sony® Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WXGA LCD
Screen Size: 15.4"[2]
Resolution: 1280 x 800
XBRITE-HiColor™ Technology: Optional
XBRITE-ECO™ Technology: Optional

Graphics

Processor: NVIDIA® GeForce® 8400M GT GPU or Mobile Intel® Graphics Media Accelerator X3100
Video RAM: 251MB Total Available Graphics Memory[11] if Mobile Intel® Graphics Media Accelerator X3100 and 1GB RAM is selected.
358MB Total Available Graphics Memory[11] if Mobile Intel® Graphics Media Accelerator X3100 and over 2GB RAM is selected.
511MB Total Available Graphics Memory[11] if NVIDIA® GeForce® 8400M GT GPU and 1GB RAM is selected.
1023MB Total Available Graphics Memory[11] if NVIDIA® GeForce® 8400M GT GPU and over 2GB RAM is selected.
Chipset: Intel® PM965 Express Chipset (NVIDIA® GeForce®) Intel® GM965 Express Chipset (Intel® Graphics Media Accelerator X3100)
Interface: VGA and S-Video Out with Smart Display Sensor

Inputs and Outputs

HDMI™ Connection Output(s): 1 (only available with NVIDIA® GeForce® 8400M GT GPU)
Headphone Jack: 1
Memory Stick® Media Slot: 1
Modem Jack: 1
Secure Digital Slot: 1
Microphone Input: 1
S-Video Output(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
Express Card™ Slot: 1 type /34
i.LINK® Connection: 1(4-pin) interface[7]
Ethernet Connection (s): 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Wireless LAN: Intel® PRO/Wireless 4965AGN Network Connection (802.11a/b/g/n)[3]
Bluetooth® Technology: Integrated Bluetooth® Technology[16]

Power

Battery Type: Standard Lithium-ion Battery (VGP-BPS8) or Large Capacity Lithium-ion Battery (VGP-BPL8)
Estimated Battery Life: 1.5-5.5 hours[6] Standard Capacity Battery
2.0-8.0 hours[6] Large Capacity Battery
(Battery Range will vary depending on final configuration)
Power Requirements: 110W+10%

Software

Operating System: Windows Vista® Home Premium, Windows Vista® Business or Windows Vista® Ultimate
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007 or Small Business 2007[10] (depending on operating system selection)
Sony® Original Software: Click to DVD® - DVD Creation
LocationFree® Player Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.
Security and Anti-Virus Software: Norton 360™ All-In-One Security 60-day Trial

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[13]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO
Limited Warranty Term: 1 Year Limited Warranty[12]. See actual warranty for details.

Dimensions

Weight: 5.9 lbs[1] (weight will vary depending on configuration)
Measurements: 14"(W) x 0.98-1.4"(H) x 10.02"(D)[1]

Supplied Accessories

Standard Lithium-ion battery (VGP-BPS8) or Large Capacity Lithium-ion Battery (VGP-BPL8)
AC adapter(VGP-AC19V19)
Power Cord

Optional Accessories

Large Capacity Lithium-ion Battery (VGP-BPL8)
AC Adapter (VGP-AC19V10)
Stick AC Adapter (VGP-AC19V21)
Bluetooth® Laser Mouse (VGP-BMS33/B)
USB Laser Mouse (VGP-UMS55/B)
USB Laser Mouse (VGP-UMS55/S)
Neoprene Notebook and AC Adapter Case (VGP-AMC3)
All-in-one 2.1 Channel Speaker (VGP-SP100)
Sport Backpack (VGP-CCP4/L)
Urban Messenger Bag (VGP-AML2)

Color: Silver

1. Non-metric weights and measures are approximate and may vary.
2. Viewable area measured diagonally.
3. Requires 802.11n compatible access point. Some functionality may require Internet services, which may require a fee.
4. DVD media/formats are not universally compatible.
5. Broadband internet service required along with third party services which may require a subscription or other service fee.
6. Actual battery life will vary based on product settings, usage patterns, battery and environmental conditions.
7. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
8. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
9. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
10. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you do not activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
11. Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory varies depending on the operating condition and system memory size.
12. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
13. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
14. As with other optical media devices, circumstances may limit compatibility or prevent Blu-ray Disc™ media playback. VAIO computers may not support movie playback on packaged media recorded in AVC or VC1 formats at high bit rates.
15. A/V Instant Mode not available with Blu-ray Disc enabled PC.
16. Use of this Bluetooth enabled product with other devices may vary as not all Bluetooth devices are compatible.
17. A portion of the system memory over 3GB may not be available to the operating system.
18. Video recording to Blu-ray Disc® media is done in MP2 format only.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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